

MONTHLY BULLETIN
OF
THE OBSERVATORY
AMERICAN UNIVERSITY OF BEIRUT

BEIRUT, LEBANON

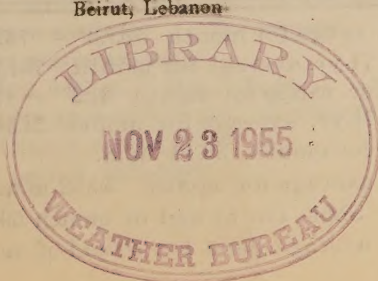
LAT. $33^{\circ} 54' 22''$ N

LONG. E. FROM GREENWICH $35^{\circ} 28' 10''$

October 1947

ROBERT W. SLOANE, DIRECTOR

Printed at the American Press
Beirut, Lebanon



OCTOBER 1947

METEOROLOGICAL REGISTER

Date	Barometer reduced to 0°C Sea level and 45° Latitude 700 mm. + ...				Thermometer Degrees Centigrade					
	8:30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	57.7	58.0	59.5	58.4	31.2	22.8	27.2	28.9	24.0	26.7
2	61.4	61.6	62.2	61.7	29.7	22.9	26.6	28.2	23.7	26.2
3	2.2	1.2	1.2	1.5	29.6	21.9	26.7	28.3	23.2	26.1
4	2.2	1.0	0.8	1.3	29.5	22.1	26.4	28.5	23.3	26.1
5	1.0	0.5	0.8	0.8	29.4	21.7	26.7	28.3	23.3	26.1
6	62.2	60.8	60.9	61.3	30.2	23.3	26.2	28.3	25.7	26.7
7	0.8	0.2	0.5	0.5	31.1	22.7	27.1	29.6	24.6	27.1
8	1.4	0.5	1.4	1.1	29.1	23.3	26.6	28.2	24.6	26.5
9	1.6	0.8	1.5	1.3	28.8	21.4	26.0	27.7	22.7	25.5
10	2.2	0.6	0.6	1.1	28.9	23.3	25.6	27.7	24.4	25.9
11	60.1	58.9	60.3	59.8	29.5	23.6	26.5	28.4	24.3	26.4
12	2.0	61.5	2.0	61.8	29.4	22.5	27.2	28.3	23.3	26.3
13	1.8	0.1	0.1	0.7	29.3	22.7	26.3	27.7	23.7	25.9
14	0.6	0.0	1.4	0.7	28.4	21.8	26.3	27.7	23.7	25.9
15	2.1	1.2	1.6	2.0	27.8	21.4	25.1	26.7	24.4	25.4
16	61.6	60.7	61.1	61.1	27.6	20.4	25.1	26.5	22.2	24.6
17	1.0	59.7	0.6	0.7	27.3	20.5	24.4	25.9	22.2	24.2
18	1.5	61.4	2.4	1.8	26.7	18.2	21.8	25.6	22.2	23.2
19	3.3	3.0	3.0	3.1	23.5	18.3	20.5	22.8	20.9	21.4
20	2.9	1.4	1.7	2.0	25.7	17.1	23.4	24.4	21.3	23.0
21	61.7	60.7	61.6	61.3	23.9	19.2	19.6	22.7	20.7	21.0
22	2.3	1.6	2.2	2.0	22.7	17.9	20.9	21.9	19.9	20.9
23	2.4	2.3	2.7	2.5	22.4	16.1	20.1	21.2	17.2	19.5
24	2.4	1.6	2.2	2.1	22.2	14.2	19.3	22.1	18.3	19.9
25	2.5	2.3	3.5	2.8	23.4	17.3	21.1	22.6	19.4	21.0
26	65.3	63.9	64.0	64.4	24.8	20.2	21.6	23.6	20.2	21.8
27	3.7	2.2	2.6	2.8	26.0	21.7	23.4	24.7	22.2	23.4
28	3.9	3.2	3.8	3.6	27.9	22.4	25.1	25.9	22.9	24.6
29	3.8	1.5	1.5	2.3	29.7	21.8	25.4	27.6	23.8	25.6
30	1.4	59.7	59.7	0.3	26.3	19.7	24.4	25.5	22.0	24.0
31	0.0	8.7	9.3	59.0	25.1	20.1	22.7	24.8	21.4	23.0
	61.90	60.98	61.50	61.47	27.26	20.72	24.36	26.13	22.44	24.31

Barometer, range for month 765.3 - 757.7 mm.

„ 71-yr. average for month 761.31 mm.

Thermometer, range for month 31.2° - 14.2°C

„ 71-yr. average for month 24.51 °C.

Rain, total for month 58.16 m.m.

„ 71-yr. average for month 50.02 m.m.

„ Total, Sept. 1st. to end of month 59.94 mm.

„ 71-yr. average, Sept. 1st. to end of month 56.21 mm.

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Date	Pressure of Water Vapor mm.				Relative Humidity per cent.				Sun.	Wind per day	Rain
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean	Hrs.	Kms.	m.m.
1	19.5	17.5	17.2	18.1	73	59	77	70	9.2	233.0	
2	17.8	17.4	15.6	16.9	69	62	72	68	9.4	251.0	
3	16.2	16.5	15.0	15.9	61	57	71	63	9.3	277.0	
4	16.2	16.4	15.9	16.2	63	56	74	64	9.3	269.0	
5	17.4	19.3	16.7	17.8	67	67	79	71	9.2	299.0	
6	16.7	18.2	18.1	17.7	67	63	74	68	9.1	410.0	
7	19.7	21.0	19.2	16.6	75	67	82	75	9.0	377.0	
8	19.5	19.4	17.0	18.6	75	68	74	72	7.1	298.0	
9	15.9	16.9	15.7	16.2	64	60	75	66	9.2	261.0	
10	16.7	18.7	16.6	17.3	69	67	84	73	9.1	338.0	
11	19.7	19.6	19.7	19.7	77	69	88	78	9.0	470.0	
12	19.3	19.4	18.4	19.0	72	68	85	75	8.6	225.0	
13	17.7	16.8	16.6	17.0	70	60	76	69	8.5	208.0	
14	18.6	19.9	16.5	18.3	71	72	76	73	8.7	472.0	
15	16.7	15.8	14.2	15.6	71	60	63	65	8.7	319.0	
16	15.6	16.8	14.9	15.8	67	65	75	69	8.3	226.0	
17	16.4	18.0	16.5	17.0	73	72	83	76	8.0	161.0	
18	16.2	16.7	14.7	15.9	83	69	74	75	7.5	398.0	0.25
19	15.8	16.2	13.8	15.3	88	79	75	81	7.5	175.0	33.02
20	14.7	15.9	14.8	15.1	69	70	78	72	7.3	595.0	0.25
21	15.5	14.6	13.8	14.6	92	71	77	80	7.6	356.0	23.88
22	12.1	12.4	11.2	11.9	66	63	64	64	6.2	652.0	
23	12.5	13.6	11.4	12.5	71	73	78	74	9.9	333.0	0.76
24	11.5	10.5	9.9	10.6	70	53	63	62	10.4	296.0	
25	10.3	10.3	9.5	10.0	55	50	56	54	10.4	391.0	
26	9.8	11.3	11.6	10.9	51	52	66	56	9.6	257.0	
27	15.5	13.5	16.6	15.2	61	58	84	68	9.5	415.0	
28	11.7	17.0	17.1	15.3	49	68	83	67	7.7	367.0	
29	18.9	15.3	13.7	16.0	78	57	62	66	7.5	264.0	
30	12.6	18.7	17.6	16.3	55	77	90	74	7.3	451.0	
31	15.3	16.7	16.2	16.1	76	72	85	78	4.9	410.0	
	15.87	16.46	15.34	15.89	69.3	64.6	75.6	69.9	8.48	337.16	1.87

Height of Barometer above sea level: 33.7 meters.

" " Thermometers above ground:

Dry and wet 1.53 m.; Max. 1.75 m.; Min. 1.70 m.

Rim of Rain Gauge: above ground 0.53 m.; above sea level 30.31 m.

Time of reading minus 2 hours equals G.C.T.

71 year averages are for period, 1875-1945

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METEOROLOGICAL REGISTER

Date	Clouds Clear—0 Overcast—10				Direction and force of wind Beaufort scale			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	1cu	1ci	0	0.7	1w	1w	0	calm	
2	0	0	0	0.0	1w	1nw	0	"	
3	0	0	0	0.0	1ne	1ne	0	light	
4	0	0	0	0.0	1ne	1ne	0	"	
5	0	1ci	0	0.3	1ne	1nw	0	calm	
6	0	0	0	0.0	1nw	1nw	2nw	light	
7	0	0	0	0.0	2sw	1ne	0	"	
8	1cu	5cu-ci	4cu	3.3	2sw	1w	0	calm	
9	1cu	1cu	0	0.7	1sw	1sw	0	light	
10	0	0	0	0.0	1ne	1ne	0	"	
11	1cu	1cu	1cu	1.0	1sw	1nw	0	light	Traces p.m.
12	4cu	2cu	0	2.0	1sw	1nw	0	"	
13	1ci	0	0	0.3	1ne	1n	0	"	
14	8ci	3cu	0	3.7	1w	1nw	1nw	"	
15	0	0	4cu	1.3	1sw	1n	1nw	"	
16	4cu	3cu	0	2.3	1sw	1nw	0	light	
17	0	1ci	0	0.3	0	1nw	0	"	
18	4cu	1cu	1cu	2.0	0	2ne	1ne	slight	
19	6cu	5cu	2cu	4.3	1sw	1w	0	light	
20	4cu	5cu	0	3.0	2sw	2sw	0	slight	W & T. at night
21	3cu	0	7cu	3.3	1se	1nw	2sw	slight	
22	5cu	4cu	3cu	4.0	1n	2w	3sw	"	
23	8cu	0	4cu	4.0	3nw	2nw	1nw	"	
24	3ci	0	2ci	1.7	1se	1n	1nw	light	
25	1ci	0	0	0.3	1se	1ne	1n	"	
26	0	0	0	0.0	1se	2n	0	light	
27	0	0	0	0.0	2sw	1sw	1w	"	
28	0	0	0	0.0	0	1nw	1nw	"	
29	0	5st	1ci	2.0	1ne	1nw	1nw	"	
30	0	0	5st	1.7	2sw	1sw	1sw	"	
31	10st-cu	6cu-ci	10cu-ni	8.7	2sw	1w	1sw	"	T.
				1.64					

* Abbreviations :— G = gale ; H = haze ; M = mist ; T = thunderstorm ; D = dew.
W = strong wind ; Tr = trace of rain

NUMBER OF DAILY WIND OBSERVATIONS

Time	N	NE	E	SE	S	SW	W	NW	Calm	Totals
8:30	1	6	0	4	1	11	3	2	3	31
14:30	4	6	0	0	0	4	5	12	0	31
20:30	1	1	0	0	0	4	1	7	17	31
Mean	6	13	0	4	1	19	9	21	20	93

Number of days with rain 5, fog 0, thunderstorms 2, gale 0.

71 yr. av. number of days with rain during month 3.84